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(74) Common Representative: CIBA SPECIALTY CHEMICALS HOLDING INC.; Patent Department, Klybeckstrasse 141, CH-4057 Basel (CH).

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(71) Applicant (*for all designated States except US*): CIBA SPECIALTY CHEMICALS HOLDING INC. [CH/CH]; Klybeckstrasse 141, CH-4057 Basel (CH).

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): KUNIMOTO, Kazuhiko [JP/IP]; 2-27-12, Keyakizaka, Kawahishi-shi, Hyogo 666-0145 (JP). NESVADBA, Peter [CH/CH]; Route des Pralettes 83A, CH-1723 Marly (CH). KRAMER, Andreas [CH/CH]; Rue Oscar-Patthey 45, CH-3280 Meyriez (CH).

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(54) Title: PROCESS FOR THE PREPARATION OF HYDROXY-VINYL-AROMATIC POLYMERS OR COPOLYMERS BY ANIONIC OR CONTROLLED RADICAL POLYMERIZATION

(57) Abstract: The instant invention relates to a process for the preparation of hydroxy-vinyl-aromatic polymers in particular 4-hydroxystyrene polymers or copolymers by anionic or controlled radical polymerization of the respective monomer, wherein the hydroxy functionality is blocked with a protective group which is subsequently removed by reacting it with a halosilane reagent. The resulting (co)polymers have a narrow polydispersity and are useful for manufacturing photoresists.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/50793

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C08F12/22 G03F7/039

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C08F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 107 425 A (R. SINTA) 22 August 2000 (2000-08-22) cited in the application claims 1,9; example 5	1-18
X	EP 0 488 748 A (SHIN-ETSU CHEM. CO.) 3 June 1992 (1992-06-03) claims 1,4	1,18

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Cauwenberg, C

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US 6107425	A	22-08-2000	NONE			
EP 488748	A	03-06-1992	JP JP EP	3031421 B2 4195138 A 0488748 A1	10-04-2000 15-07-1992 03-06-1992	